

METHOD FOR UTILIZING CONCURRENT CONTEXT SWITCHING TO SUPPORT ISOCHRONOUS PROCESSES

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ABSTRACT OF THE DISCLOSURE

A method for utilizing concurrent context switching to support isochronous processes preferably comprises a main context that is configured to support system execution tasks, a first concurrent context that supports a first set of concurrent execution and loading procedures, and a second concurrent context that supports a second set of concurrent execution and loading procedures. A context control module preferably manages switching and loading procedures between the main context, the first concurrent context, and the second concurrent context. The context control module may perform successive concurrent context switching procedures by alternating between the first concurrent context and the second concurrent context to thereby sequentially support any desired number of isochronous processes.